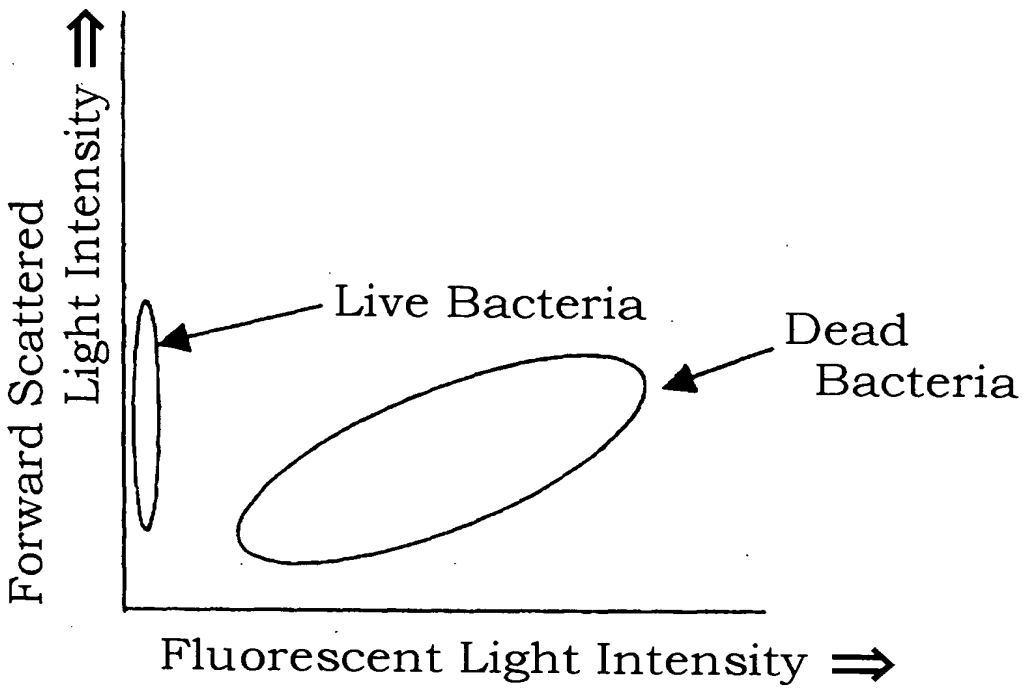

Forward Scattered Light Intensity ⇑
Live Bacteria
Dead Bacteria
Fluorescent Light Intensity ⇒

Fig. 1

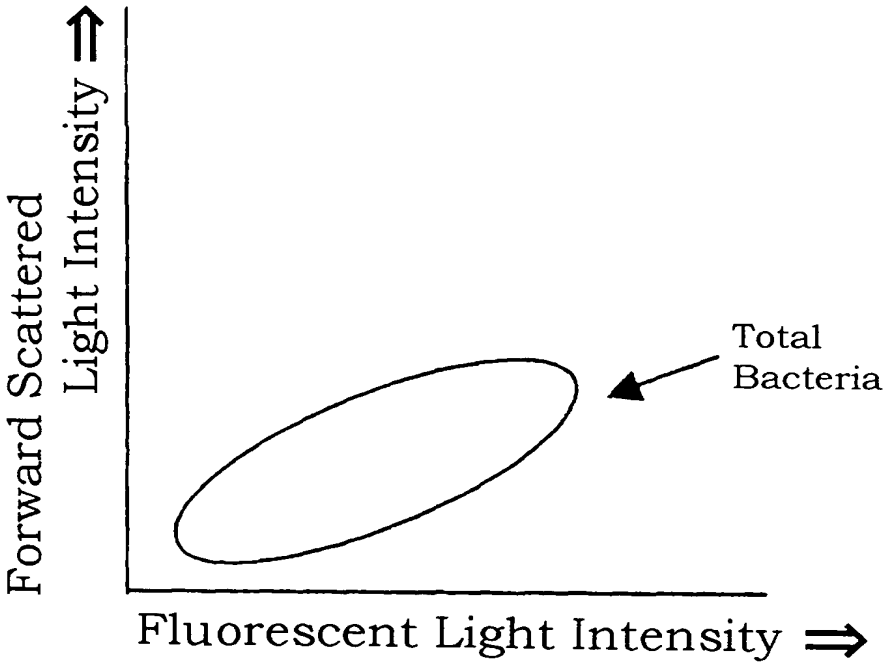

Forward Scattered Light Intensity ⇑
Total Bacteria
Fluorescent Light Intensity ⇒

Fig 2

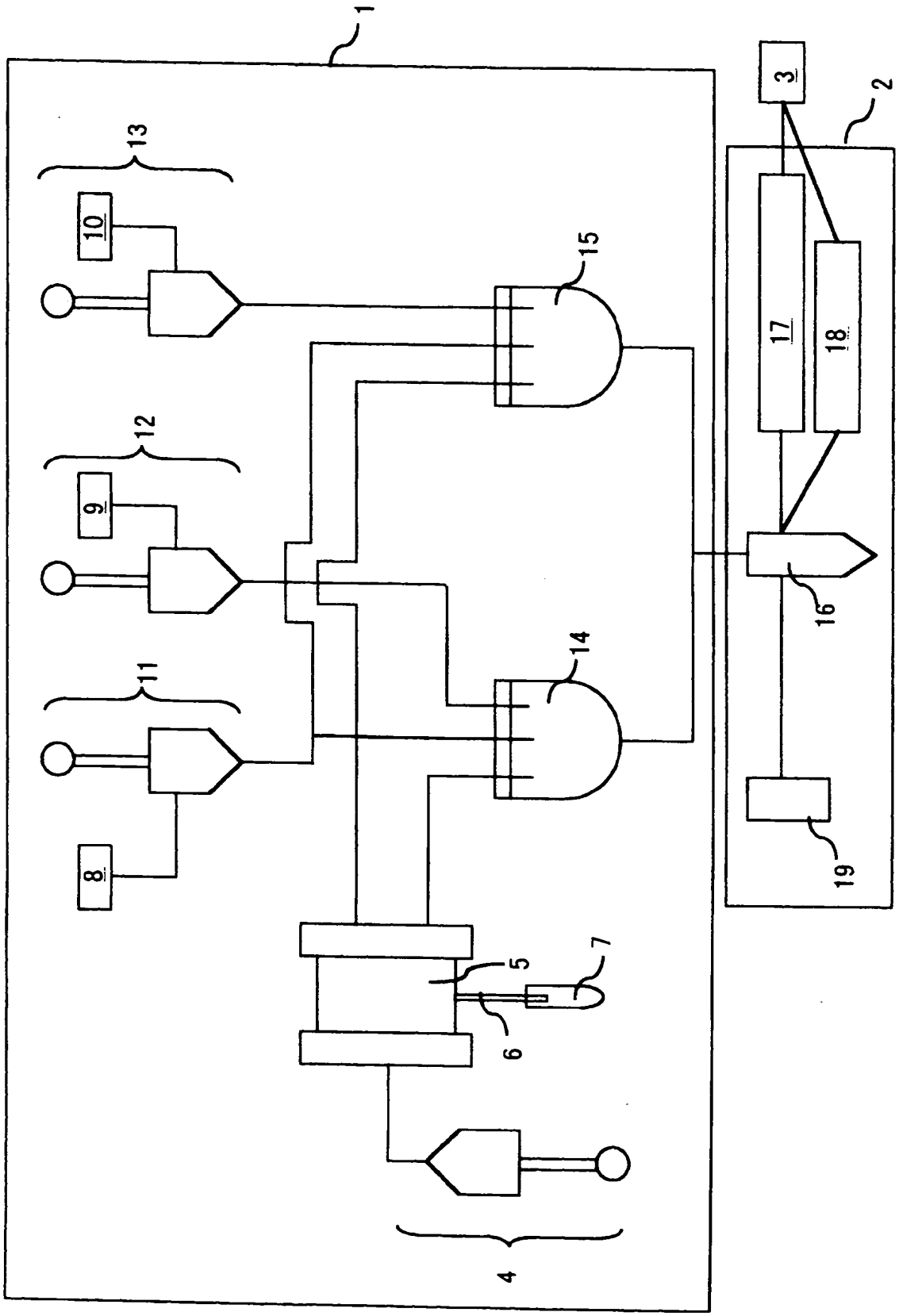


Fig 3

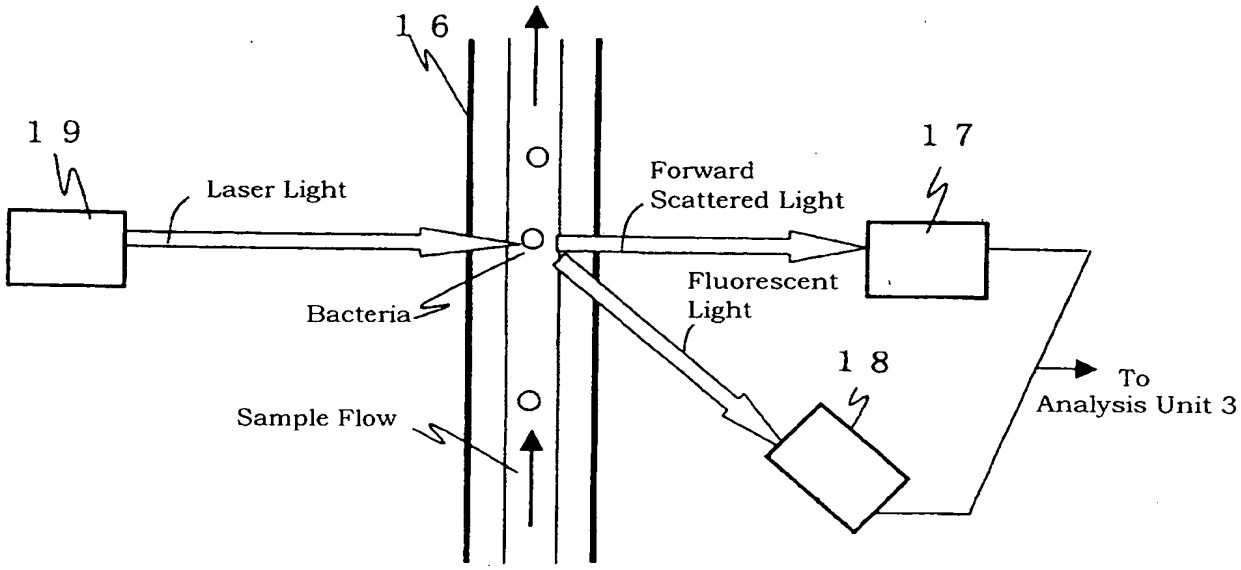

16
19
17
Laser Light
Forward
Scattered Light
Fluorescent
Light
Bacteria
18
To
Analysis Unit 3
Sample Flow

Fig. 4

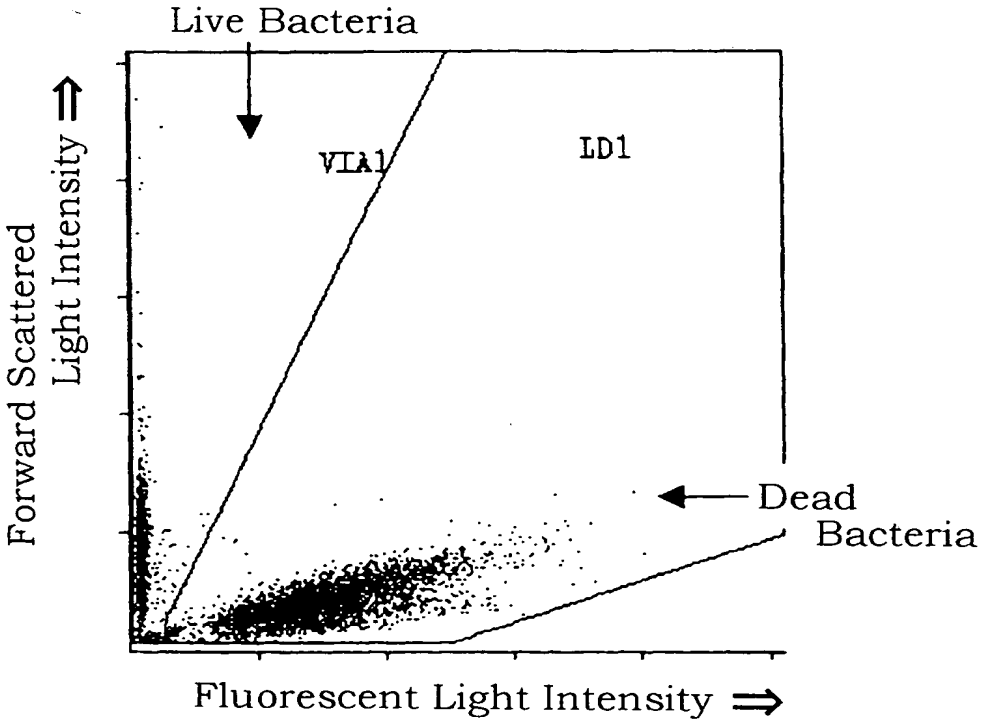

Live Bacteria
VIA1
LD1
Dead
Bacteria
Forward Scattered
Light Intensity ⇑
Fluorescent Light Intensity ⇒

Fig 5

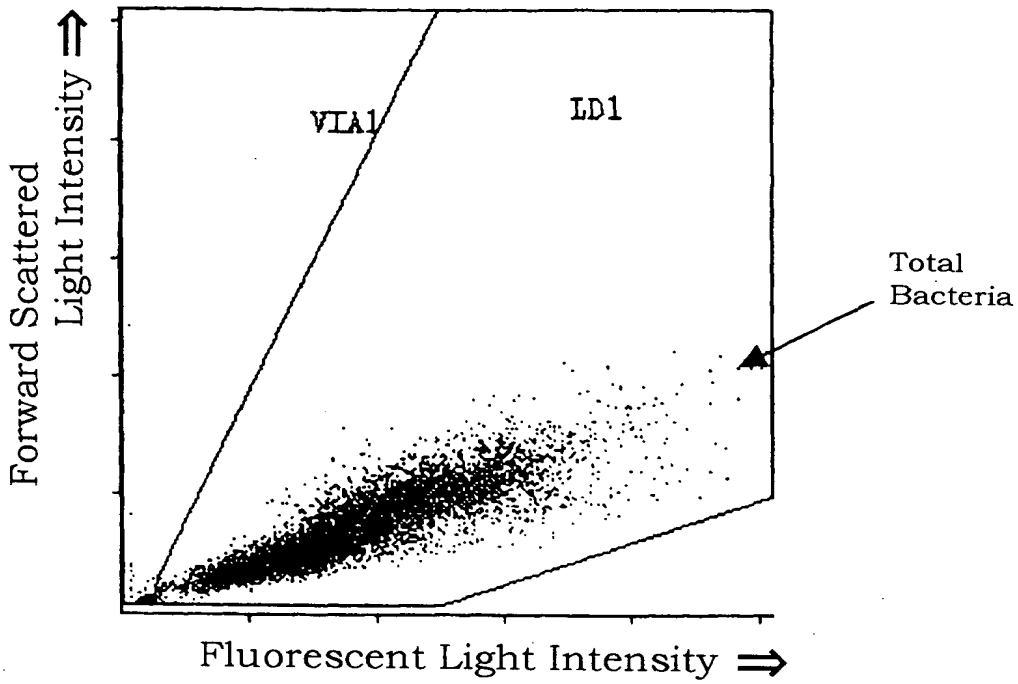

VIA1
LD1
Total
Bacteria
Forward Scattered
Light Intensity
Fluorescent Light Intensity

Fig. 6

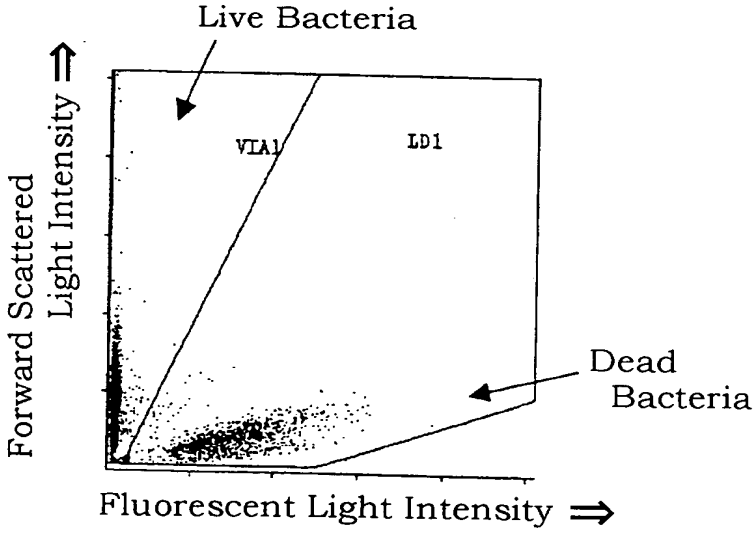

Live Bacteria
VIA1
LD1
Dead
Bacteria
Forward Scattered
Light Intensity
Fluorescent Light Intensity

Fig 7A

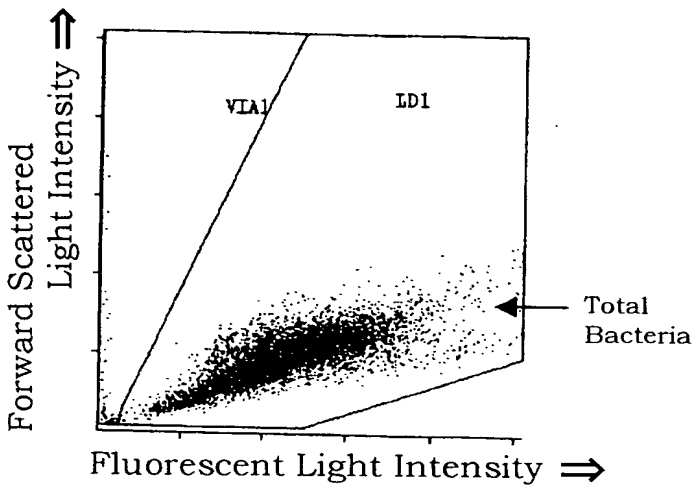

Forward Scattered
Light Intensity
VIA1
LD1
Total
Bacteria
Fluorescent Light Intensity

Fig. 7B

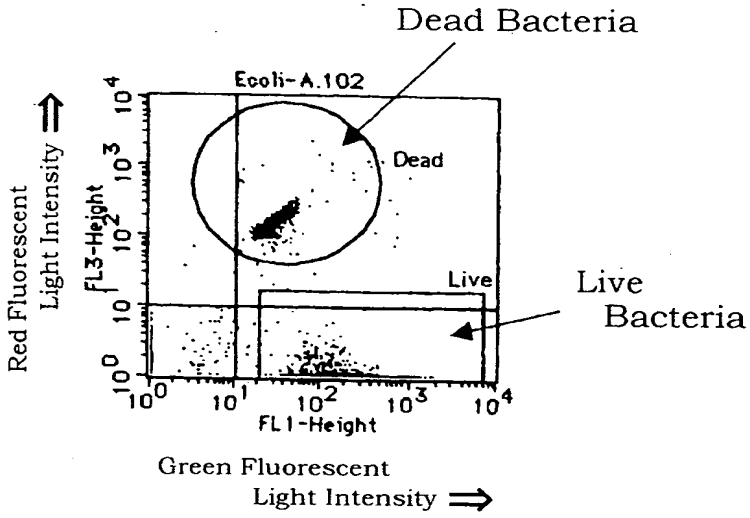

Dead Bacteria
Ecoli-A.102
Dead
Live
Live
Bacteria
Red Fluorescent
Light Intensity
FL3-Height
FL1-Height
Green Fluorescent
Light Intensity

Fig. 7C

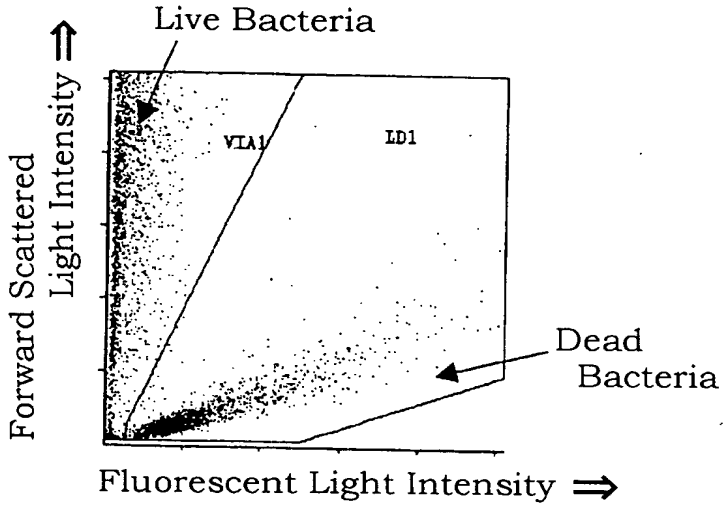

Live Bacteria
VIA1
LD1
Dead
Bacteria
Forward Scattered
Light Intensity
Fluorescent Light Intensity

Fig. 8A

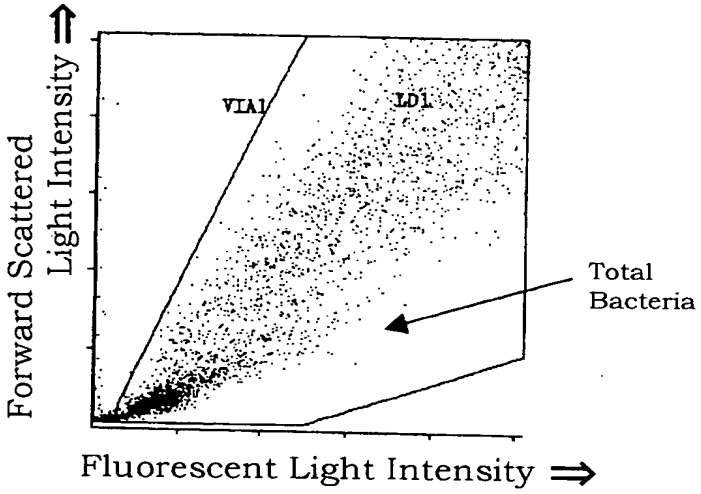

VIA1
LD1
Total
Bacteria
Forward Scattered
Light Intensity
Fluorescent Light Intensity

Fig 8B

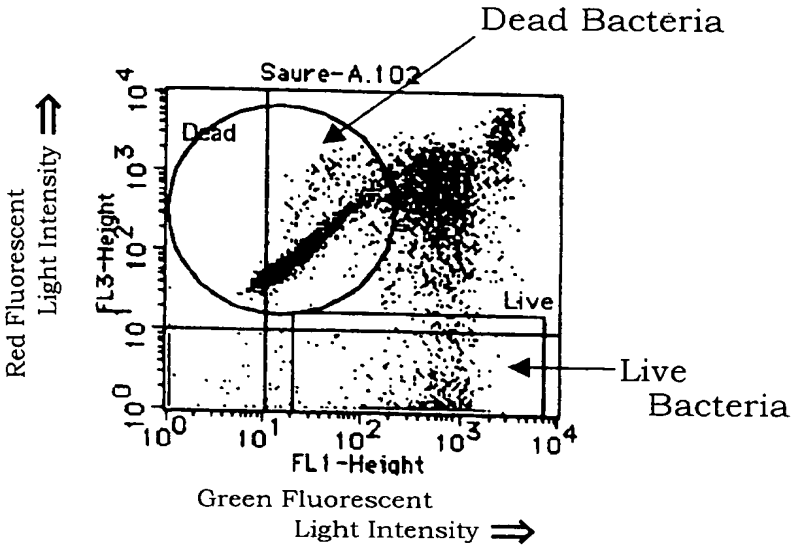

Dead Bacteria
Saure-A.102
Dead
Live
Live
Bacteria
Red Fluorescent
Light Intensity
FL3-Height
FL1-Height
Green Fluorescent
Light Intensity

Fig. 8C

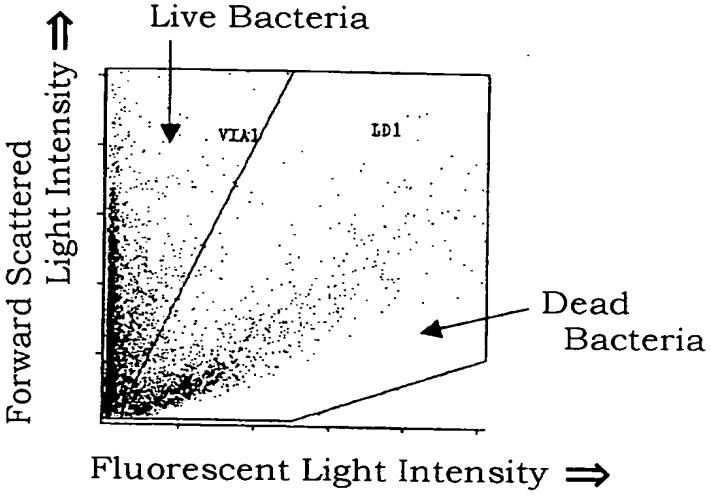

Live Bacteria
VIA1
LD1
Dead
Bacteria
Forward Scattered
Light Intensity
Fluorescent Light Intensity

Fig 9A

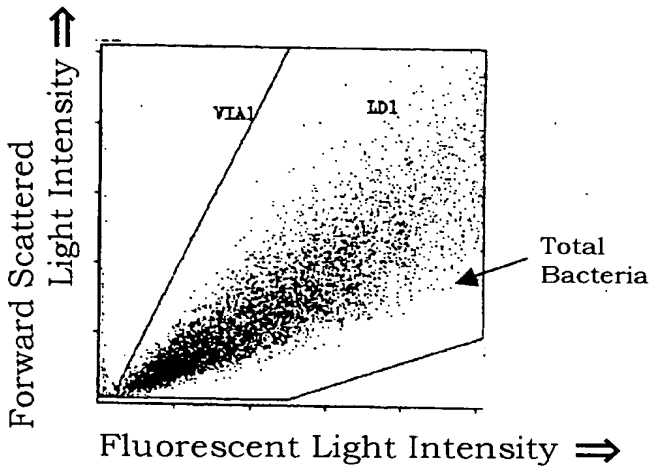

Forward Scattered
Light Intensity
VIA1
LD1
Total
Bacteria
Fluorescent Light Intensity

Fig. 9B

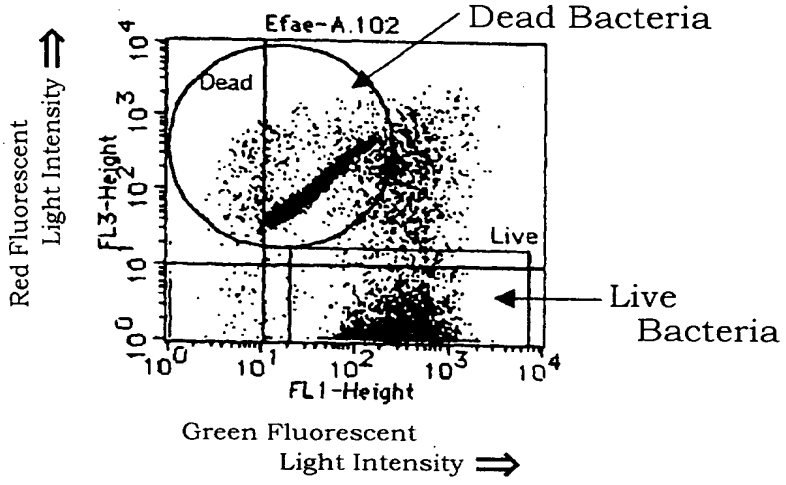
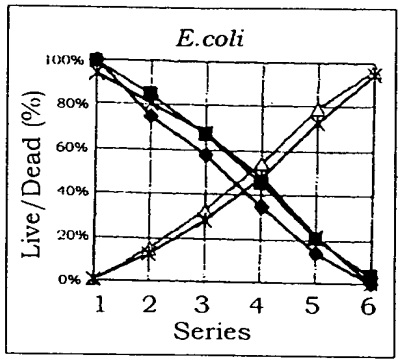

Efae-A.102
Dead Bacteria
Dead
Live
Live
Bacteria
Red Fluorescent
Light Intensity
FL3-Height
FL1-Height
Green Fluorescent
Light Intensity

Fig 9C



Live Bacteria%(agar culture method)

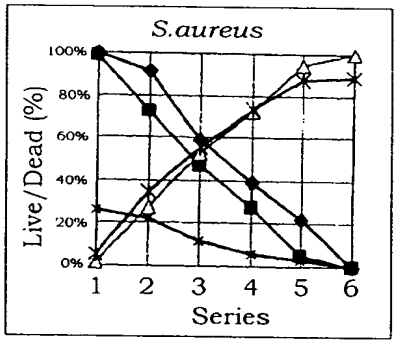
Live Bacteria%(method of example 3 of this invention)

Dead Bacteria%(method of example 3 of this invention)

Live Bacteria%(Baclight)

Dead Bacteria%(Baclight)

Fig.10A



Live Bacteria%(agar culture method)

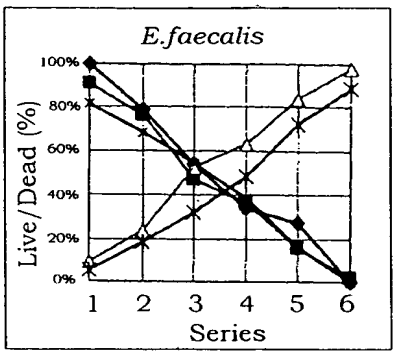
Live Bacteria%(method of example 3 of this invention)

Dead Bacteria%(method of example 3 of this invention)

Live Bacteria%(Baclight)

Dead Bacteria%(Baclight)

Fig 10B



Live Bacteria%(agar culture method)

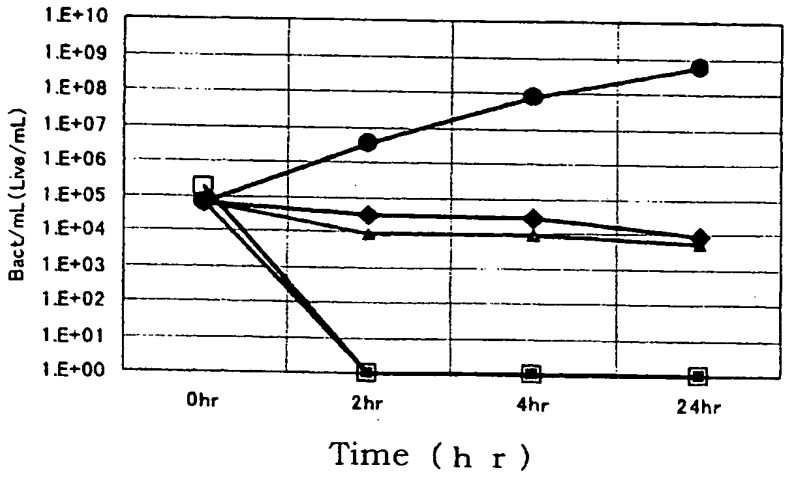
Live Bacteria%(method of example 3 of this invention)

Dead Bacteria%(method of example 3 of this invention)

Live Bacteria%(Baclight)

Dead Bacteria%(Baclight)

Fig.10C



Total Bacteria Count obtained from the assay sample II
Live Bacteria Count obtained from the assay sample I and II
Live Bacteria Count obtained by Baclight
Live Bacteria Count obtained by agar culture method
Total Bacteria Count obtained from the assay sample III

Fig.11

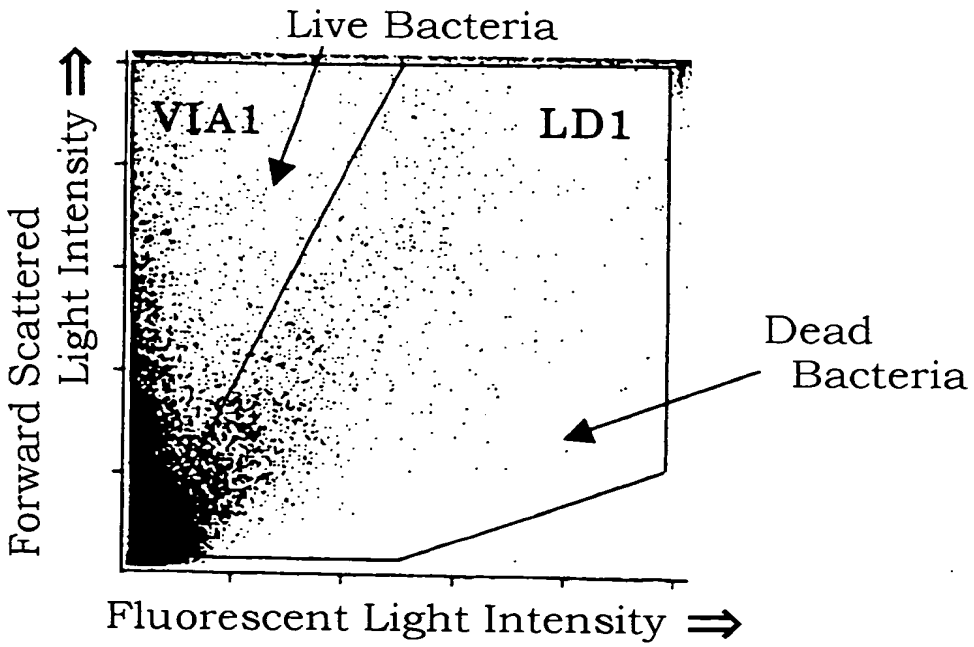


Fig 12

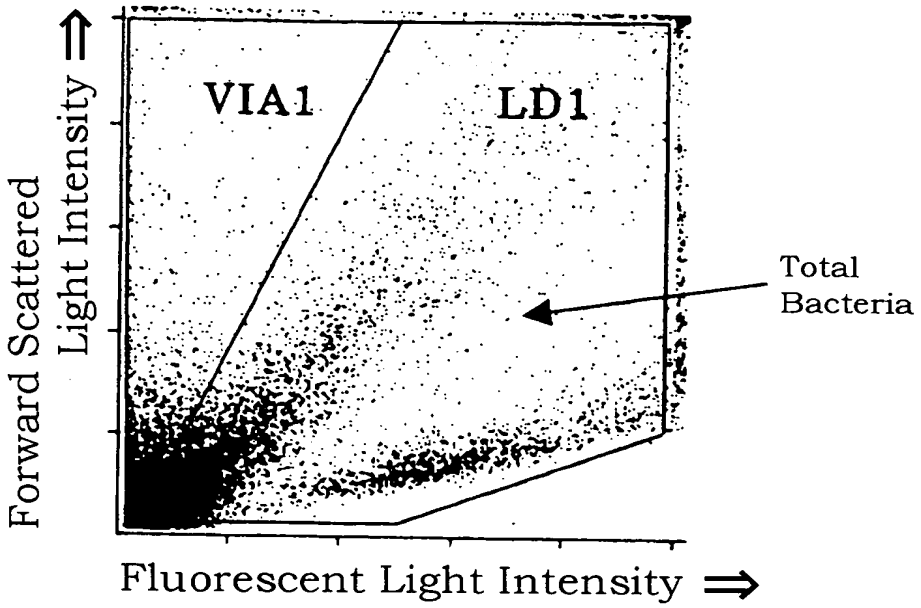

VIA1
LD1
Total
Bacteria
Forward Scattered
Light Intensity
Fluorescent Light Intensity

Fig.13

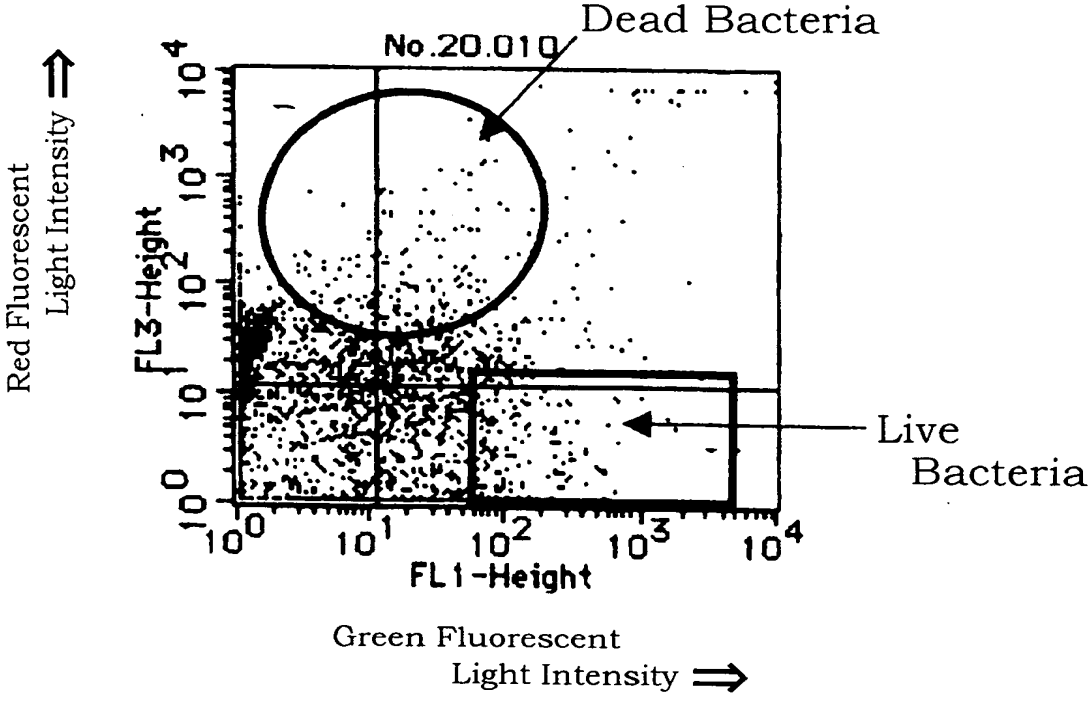

Dead Bacteria
No.20.010
Live
Bacteria
Red Fluorescent
Light Intensity
FL3-Height
FL1-Height
Green Fluorescent
Light Intensity

Fig 14